

CRF Errors Corrected by the STIC System Branch

PT 1/10 11:11

CRF Processing Date: 8/17/2012
 Edited by: [Signature]
 Verified by: [Signature] (STIC staff)

Serial Number: 10/030,306

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☒ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 25
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form. 3/1/95



PCT10

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:14

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

3 <110> APPLICANT: Sagami Chemical Research Center,
 4 Protegene Inc.
 6 <120> TITLE OF INVENTION: Human proteins having hydrophobic domains and DNAs encoding
 these

7 proteins
 9 <130> FILE REFERENCE: 661926
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/030,306
 C--> 11 <141> CURRENT FILING DATE: 2002-06-27
 11 <150> PRIOR APPLICATION NUMBER: JP 11-194359
 12 <151> PRIOR FILING DATE: 1999-07-08
 14 <160> NUMBER OF SEQ ID NOS: 30
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 339
 18 <212> TYPE: PRT
 19 <213> ORGANISM: Homo sapiens
 21 <400> SEQUENCE: 1
 22 Met Ser Pro Ser Pro Thr Ala Leu Phe Cys Leu Gly Leu Cys Leu Gly
 23 1 5 10 15
 24 Arg Val Pro Ala Gln Ser Gly Pro Leu Pro Lys Pro Ser Leu Gln Ala
 25 20 25 30
 26 Leu Pro Ser Ser Leu Val Pro Leu Glu Lys Pro Val Thr Leu Arg Cys
 27 35 40 45
 28 Gln Gly Pro Pro Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser Ser
 29 50 55 60
 30 Ser Arg Tyr Gln Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys Arg
 31 65 70 75 80
 32 Ser Leu Ala Gly Arg Tyr Arg Cys Ser Tyr Gln Asn Gly Ser Leu Trp
 33 85 90 95
 34 Ser Leu Pro Ser Asp Gln Leu Glu Leu Val Ala Thr Gly Val Phe Ala
 35 100 105 110
 36 Lys Pro Ser Leu Ser Ala Gln Pro Gly Pro Ala Val Ser Ser Gly Gly
 37 115 120 125
 38 Asp Val Thr Leu Gln Cys Gln Thr Arg Tyr Gly Phe Asp Gln Phe Ala
 39 130 135 140
 40 Leu Tyr Lys Glu Gly Asp Pro Ala Pro Tyr Lys Asn Pro Glu Arg Trp
 41 145 150 155 160
 42 Tyr Arg Ala Ser Phe Pro Ile Ile Thr Val Thr Ala Ala His Ser Gly
 43 165 170 175
 44 Thr Tyr Arg Cys Tyr Ser Phe Ser Ser Arg Asp Pro Tyr Leu Trp Ser
 45 180 185 190
 46 Ala Pro Ser Asp Pro Leu Glu Leu Val Val Thr Gly Thr Ser Val Thr
 47 195 200 205
 48 Pro Ser Arg Leu Pro Thr Glu Pro Pro Ser Ser Val Ala Glu Phe Ser
 49 210 215 220

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

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50 Glu Ala Thr Ala Glu Leu Thr Val Ser Phe Thr Asn Glu Val Phe Thr
51 225                230                235                240
52 Thr Glu Thr Ser Arg Ser Ile Thr Ala Ser Pro Lys Glu Ser Asp Ser
53                245                250                255
54 Pro Ala Gly Pro Ala Arg Gln Tyr Tyr Thr Lys Gly Asn Leu Val Arg
55                260                265                270
56 Ile Cys Leu Gly Ala Val Ile Leu Ile Ile Leu Ala Gly Phe Leu Ala
57                275                280                285
58 Glu Asp Trp His Ser Arg Arg Lys Arg Leu Arg His Arg Gly Arg Ala
59                290                295                300
60 Val Gln Arg Pro Leu Pro Pro Leu Pro Pro Leu Pro Leu Thr Arg Lys
61 305                310                315                320
62 Ser His Gly Gly Gln Asp Gly Gly Arg Gln Asp Val His Ser Arg Gly
63                325                330                335
64 Leu Cys Ser
67 <210> SEQ ID NO: 2
68 <211> LENGTH: 487
69 <212> TYPE: PRT
70 <213> ORGANISM: Homo sapiens
72 <400> SEQUENCE: 2
73 Met Ala Ser Ser Ala Glu Gly Asp Glu Gly Thr Val Val Ala Leu Ala
74 1                5                10                15
75 Gly Val Leu Gln Ser Gly Phe Gln Glu Leu Ser Leu Asn Lys Leu Ala
76                20                25                30
77 Thr Ser Leu Gly Ala Ser Glu Gln Ala Leu Arg Leu Ile Ser Ile
78                35                40                45
79 Phe Leu Gly Tyr Pro Phe Ala Leu Phe Tyr Arg His Tyr Leu Phe Tyr
80                50                55                60
81 Lys Glu Thr Tyr Leu Ile His Leu Phe His Thr Phe Thr Gly Leu Ser
82 65                70                75                80
83 Ile Ala Tyr Phe Asn Phe Gly Asn Gln Leu Tyr His Ser Leu Leu Cys
84                85                90                95
85 Ile Val Leu Gln Phe Leu Ile Leu Arg Leu Met Gly Arg Thr Ile Thr
86                100                105                110
87 Ala Val Leu Thr Thr Phe Cys Phe Gln Met Ala Tyr Leu Leu Ala Gly
88                115                120                125
89 Tyr Tyr Tyr Thr Ala Thr Gly Asn Tyr Asp Ile Lys Trp Thr Met Pro
90                130                135                140
91 His Cys Val Leu Thr Leu Lys Leu Ile Gly Leu Ala Val Asp Tyr Phe
92 145                150                155                160
93 Asp Gly Gly Lys Asp Gln Asn Ser Leu Ser Ser Glu Gln Gln Lys Tyr
94                165                170                175
95 Ala Ile Arg Gly Val Pro Ser Leu Leu Glu Val Ala Gly Phe Ser Tyr
96                180                185                190
97 Phe Tyr Gly Ala Phe Leu Val Gly Pro Gln Phe Ser Met Asn His Tyr
98                195                200                205
99 Met Lys Leu Val Gln Gly Glu Leu Ile Asp Ile Pro Gly Lys Ile Pro
100                210                215                220
101 Asn Ser Ile Ile Pro Ala Leu Lys Arg Leu Ser Leu Gly Leu Phe Tyr

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

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102 225          230          235          240
103 Leu Val Gly Tyr Thr Leu Leu Ser Pro His Ile Thr Glu Asp Tyr Leu
104          245          250          255
105 Leu Thr Glu Asp Tyr Asp Asn His Pro Phe Trp Phe Arg Cys Met Tyr
106          260          265          270
107 Met Leu Ile Trp Gly Lys Phe Val Leu Tyr Lys Tyr Val Thr Cys Trp
108          275          280          285
109 Leu Val Thr Glu Gly Val Cys Ile Leu Thr Gly Leu Gly Phe Asn Gly
110          290          295          300
111 Phe Glu Glu Lys Gly Lys Ala Lys Trp Asp Ala Cys Ala Asn Met Lys
112 305          310          315          320
113 Val Trp Trp Leu Phe Glu Thr Asn Pro Arg Phe Thr Gly Thr Ile Ala Ser
114          325          330          335
115 Phe Asn Ile Asn Thr Asn Ala Trp Val Ala Arg Tyr Ile Phe Lys Arg
116          340          345          350
117 Leu Lys Phe Leu Gly Asn Lys Glu Leu Ser Gln Gly Leu Ser Leu Leu
118          355          360          365
119 Phe Leu Ala Leu Trp His Gly Leu His Ser Gly Tyr Leu Val Cys Phe
120          370          375          380
121 Gln Met Glu Phe Leu Ile Val Ile Val Glu Arg Gln Ala Ala Arg Leu
122 385          390          395          400
123 Ile Gln Glu Ser Pro Thr Leu Ser Lys Leu Ala Ala Ile Thr Val Leu
124          405          410          415
125 Gln Pro Phe Tyr Tyr Leu Val Gln Gln Thr Ile His Trp Leu Phe Met
126          420          425          430
127 Gly Tyr Ser Met Thr Ala Phe Cys Leu Phe Thr Trp Asp Lys Trp Leu
128          435          440          445
129 Lys Val Tyr Lys Ser Ile Tyr Phe Leu Gly His Ile Phe Phe Leu Ser
130          450          455          460
131 Leu Leu Phe Ile Leu Pro Tyr Ile His Lys Ala Met Val Pro Arg Lys
132 465          470          475          480
133 Glu Lys Leu Lys Lys Met Glu
134          485
136 <210> SEQ ID NO: 3
137 <211> LENGTH: 262
138 <212> TYPE: PRT
139 <213> ORGANISM: Homo sapiens
141 <400> SEQUENCE: 3
142 Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu
143 1          5          10          15
144 Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala
145          20          25          30
146 Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala
147          35          40          45
148 Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp
149          50          55          60
150 Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp
151 65          70          75          80
152 Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Glu Arg Gly

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

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153                               85                               90                               95
154 Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile
155                               100                               105                               110
156 Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val
157                               115                               120                               125
158 Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp
159                               130                               135                               140
160 Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser
161 145                               150                               155                               160
162 Val Val Thr His Pro Gly Gly Cys Arg Gly His Glu Val Glu Asp Val
163                               165                               170                               175
164 Asp Leu Glu Leu Phe Asn Thr Ser Val Gln Leu Gln Pro Pro Thr Thr
165                               180                               185                               190
166 Ala Pro Gly Pro Glu Thr Ala Ala Phe Ile Glu Arg Leu Glu Met Glu
167                               195                               200                               205
168 Gln Ala Gln Lys Ala Lys Asn Pro Gln Glu Gln Lys Ser Phe Phe Ala
169                               210                               215                               220
170 Lys Tyr Trp Met Tyr Ile Ile Pro Val Val Leu Phe Leu Met Met Ser
171 225                               230                               235                               240
172 Gly Ala Pro Asp Thr Gly Gly Gln Gly Gly Gly Gly Gly Gly Gly
173                               245                               250                               255
174 Gly Gly Gly Ser Gly Arg
175                               260
177 <210> SEQ ID NO: 4
178 <211> LENGTH: 166
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 4
183 Met Gln Pro Pro Val Pro Gly Pro Leu Gly Leu Leu Asp Pro Ala Glu
184 1                               5                               10                               15
185 Gly Leu Ser Arg Arg Lys Lys Thr Ser Leu Trp Phe Val Gly Ser Leu
186                               20                               25                               30
187 Leu Leu Val Ser Val Leu Ile Val Thr Val Gly Leu Ala Ala Thr Thr
188                               35                               40                               45
189 Arg Thr Glu Asn Val Thr Val Gly Gly Tyr Tyr Pro Gly Ile Ile Leu
190                               50                               55                               60
191 Gly Phe Gly Ser Phe Leu Gly Ile Ile Gly Ile Asn Leu Val Glu Asn
192 65                               70                               75                               80
193 Arg Arg Gln Met Leu Val Ala Ala Ile Val Phe Ile Ser Phe Gly Val
194                               85                               90                               95
195 Val Ala Ala Phe Cys Cys Ala Ile Val Asp Gly Val Phe Ala Ala Gln
196                               100                               105                               110
197 His Ile Glu Pro Arg Pro Leu Thr Thr Gly Arg Cys Gln Phe Tyr Ser
198                               115                               120                               125
199 Ser Gly Val Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg
200                               130                               135                               140
201 Ser Thr Glu Ile His Val Gly Phe Ala Gln Leu Thr Pro Pro Thr Pro
202 145                               150                               155                               160
203 Arg Gly Phe Pro Cys Thr

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
 TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF4\08072002\J030306.raw

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204                               165
206 <210> SEQ ID NO: 5
207 <211> LENGTH: 416
208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 5
212 Met Ser Glu Ala Asp Gly Leu Arg Gln Arg Arg Pro Leu Arg Pro Gln
213 1                               5                               10                               15
214 Val Val Thr Asp Asp Gly Gln Ala Pro Glu Ala Lys Asp Gly Ser
215                               20                               25                               30
216 Ser Phe Ser Gly Arg Val Phe Arg Val Thr Phe Leu Met Leu Ala Val
217                               35                               40                               45
218 Ser Leu Thr Val Pro Leu Leu Gly Ala Met Met Leu Leu Glu Ser Pro
219                               50                               55                               60
220 Ile Asp Pro Gln Pro Leu Ser Phe Lys Glu Pro Pro Leu Leu Leu Gly
221 65                               70                               75                               80
222 Val Leu His Pro Asn Thr Lys Leu Arg Gln Ala Glu Arg Leu Phe Glu
223                               85                               90                               95
224 Asn Gln Leu Val Gly Pro Glu Ser Ile Ala His Ile Gly Asp Val Met
225                               100                              105                              110
226 Phe Thr Gly Thr Ala Asp Gly Arg Val Val Lys Leu Glu Asn Gly Glu
227                               115                              120                              125
228 Ile Glu Thr Ile Ala Arg Phe Gly Ser Gly Pro Cys Lys Thr Arg Asp
229                               130                              135                              140
230 Asp Glu Pro Val Cys Gly Arg Pro Leu Gly Ile Arg Ala Gly Pro Asn
231 145                              150                              155                              160
232 Gly Thr Leu Phe Val Ala Asp Ala Tyr Lys Gly Leu Phe Glu Val Asn
233                               165                              170                              175
234 Pro Trp Lys Arg Glu Val Lys Leu Leu Leu Ser Ser Glu Thr Pro Ile
235                               180                              185                              190
236 Glu Gly Lys Asn Met Ser Phe Val Asn Asp Leu Thr Val Thr Gln Asp
237                               195                              200                              205
238 Gly Arg Lys Ile Tyr Phe Thr Asp Ser Ser Ser Lys Trp Gln Arg Arg
239                               210                              215                              220
240 Asp Tyr Leu Leu Leu Val Met Glu Gly Thr Asp Asp Gly Arg Leu Leu
241 225                              230                              235                              240
242 Glu Tyr Asp Thr Val Thr Arg Glu Val Lys Val Leu Leu Asp Gln Leu
243                               245                              250                              255
244 Arg Phe Pro Asn Gly Val Gln Leu Ser Pro Ala Glu Asp Phe Val Leu
245                               260                              265                              270
246 Val Ala Glu Thr Thr Met Ala Arg Ile Arg Arg Val Tyr Val Ser Gly
247                               275                              280                              285
248 Leu Met Lys Gly Gly Ala Asp Leu Phe Val Glu Asn Met Pro Gly Phe
249                               290                              295                              300
250 Pro Asp Asn Ile Arg Pro Ser Ser Ser Gly Gly Tyr Trp Val Gly Met
251 305                              310                              315                              320
252 Ser Thr Ile Arg Pro Asn Pro Gly Phe Ser Met Leu Asp Phe Leu Ser
253                               325                              330                              335
254 Glu Arg Pro Trp Ile Lys Arg Met Ile Phe Lys Leu Phe Ser Gln Glu

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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date